WHAT IS CLAIMED IS:

1. A fuel cell arrangement comprising several individual components arranged in a stack, the individual components comprising at least two stacked plates which are at least partially joined to one another by a common seal element of polymer material which is injected onto the plates to form a module.

2. The fuel cell arrangement according to Claim 1, wherein the stack of plates has oppositely facing main surfaces, and wherein the seal element is provided on the main surfaces of the stack.

3. The fuel cell arrangement according to Claim 1, wherein the at least two plates are positioned immediately adjacent one another with an intermediate space provided between the adjacent plates, the seal element sealing the intermediate space.

4. The fuel cell arrangement according to Claim 1, wherein the at least two plates have end faces, the seal element encompassing at least portions of the end faces of the at least two plates.

5. The fuel cell arrangement according to Claim 1, wherein each of the at least two plates is provided with an opening, the seal element extending through the opening in each of the at least two plates.

6. A module for a fuel cell arrangement comprising a plurality of stacked plates forming a stack, at least two of the plates having a common seal element of polymer material which is injected onto the plates and by which the at least two plates are at least partially joined to one another.

7. The module according to Claim 6, wherein the seal element adhesively joins the at least two plates to one another.

8. The module according to Claim 6, wherein the at least two plates are joined to one another in an interlocking manner via the seal element.

9. The module according to Claim 6, wherein the stack of plates has oppositely facing main surfaces, and wherein the seal element is provided on the main surfaces of the stack.

10. The module according to Claim 6, wherein the at least two plates are positioned immediately adjacent one another with an intermediate space provided between the adjacent plates, the seal element sealing the intermediate space.

11. The module according to Claim 6, wherein the at least two plates have end faces, the seal element at least in areas encompassing the end faces of the at least two plates.

12. The module according to Claim 6, wherein the seal element extends through at least one opening provided in each of the at least two plates.

13. The module according to Claim 6, wherein the at least two plates are positioned immediately adjacent one another, with each of the adjacent plates possessing a plurality of elongated openings, each of the openings in one of the plates overlapping one of the openings in the other plate.

14. The module according to Claim 6, wherein the at least two plates are positioned immediately adjacent one another, the seal element extending in at least one cavity provided between the adjacent plates.

15. The module according to Claim 14, further comprising a hole provided in at least one of the adjacent plates, the hole communicating with the cavity.

16. The module according to Claim 6, wherein a part of the seal element located on a side of one of the plates has a cross-sectional configuration possessing a flat surface.

17. The module according to Claim 6, wherein a part of the seal element located on a side of one of the plates has a cross-sectional configuration possessing a tapering surface.

18. The module according to Claim 6, wherein a part of the seal element located on a side of one of the plates has a cross-sectional configuration possessing both a flat surface and a tapering surface.

19. The module according to Claim 18, wherein the flat surface is separated from the tapering surface by a recess which is recessed relative to the flat surface.

20. A process for producing a module for a fuel cell arrangement, comprising:

inserting at least portions of two plates into a casting mold; and

filling the casting mold with a polymer seal material so that the seal material adjoins the two plates.